

IN THE CLAIMS

1. (Currently Amended) ~~In a batch simulation farm that facilitates computer-aided simulation testing of hardware design, wherein multiple simulation clients communicate simulation testcase results to an instrumentation server that maintains a master harvest hit table having harvest event entries that associate harvest events triggered during simulation testing with corresponding triggering testcases, a~~ A method for resolving testcase collection inconsistencies between a testcase bucket and the master harvest hit table in a batch simulation farm that facilitates computer-aided simulation testing of hardware design, wherein said testcase bucket contains testcases that have triggered harvest events during simulation testing of a simulation model by said multiple simulation clients, said method comprising:

multiple simulation clients communicating simulation testcase results to an instrumentation server that maintains a master harvest hit table having harvest event entries that associate harvest events triggered during simulation testing with corresponding triggering testcases, wherein said testcase bucket contains testcases that have triggered harvest events during simulation testing of a simulation model by said multiple simulation clients;

within one of said multiple simulation clients:

retrieving a local copy of said master harvest hit table;

executing a current testcase on the simulation model;

identifying harvest events triggered during execution of said current testcase; and

comparing said identified harvest events with harvest events recorded within the local copy of said master harvest hit table to determine whether the identified harvest events have been previously recorded in association with the simulation model;

responsive to said step of comparing said identified harvest events with the harvest events recorded within the local copy of said master harvest hit table resulting in a determination that previous occurrences of one or more of said identified harvest events have not been recorded:

recording said current testcase within said testcase bucket; and

comparing said one or more of said identified harvest events determined not to have been recorded with harvest events recorded within said master harvest hit table;

updating said master harvest hit table with said one or more of said identified harvest events that do not match harvest events recorded in said master harvest hit table;

comparing testcases recorded within said testcase bucket to testcases identified within said master harvest hit table; and

resolving testcase inconsistencies between said testcase bucket and said master harvest hit table by:

responsive to identifying one or more testcases recorded within said master harvest hit table but not within said testcase bucket, removing harvest event entries containing the identified one or more testcases from said master harvest hit table; and

responsive to determining that one or more testcases are recorded within said testcase bucket but not within said master harvest hit table, removing the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket.

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Previously Presented) The method of claim 1, said removing the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket further comprising including one or more testcase identifiers corresponding to the one or more testcases recorded within said testcase bucket but not within said master harvest hit table in a redundant testcase list within said instrumentation server.

6. (Previously Presented) The method of claim 5, wherein said testcase bucket is maintained by a testcase server, said method further comprising:

delivering said redundant testcase list from said instrumentation server to said testcase server; and

removing testcase identifiers included within said redundant testcase list from said testcase bucket.

7. (Currently Amended) ~~In a batch simulation farm that facilitates computer-aided simulation testing of hardware design, wherein multiple simulation clients communicate simulation testase results to an instrumentation server that maintains a master harvest hit table having harvest event entries that associate harvest events triggered during simulation testing with corresponding triggering testases, a~~ A system for resolving testcase collection inconsistencies between a testcase bucket and the master harvest hit table in a batch simulation farm that facilitates computer-aided simulation testing of hardware design, wherein said testase bucket contains testcases that have triggered harvest events during simulation testing of a simulation model by said multiple simulation clients; said system comprising:

processing means within multiple simulation clients for communicating simulation testcase results to an instrumentation server that maintains a master harvest hit table having harvest event entries that associate harvest events triggered during simulation testing with corresponding triggering testcases, wherein said testcase bucket contains testcases that have triggered harvest events during simulation testing of a simulation model by said multiple simulation clients;

processing means within one of said multiple simulation clients for:

retrieving a local copy of said master harvest hit table;

executing a current testcase on the simulation model;

identifying harvest events triggered during execution of said current testcase; and

comparing said identified harvest events with harvest events recorded within the local copy of said master harvest hit table to determine whether the identified harvest events have been previously recorded in association with the simulation model;

processing means responsive to said step of comparing said identified harvest events with the harvest events recorded within the local copy of said master harvest hit table resulting in a determination that previous occurrences of one or more of said identified harvest events have not been recorded for:

recording said current testcase within said testcase bucket; and

comparing said one or more of said identified harvest events determined not to have been recorded with harvest events recorded within said master harvest hit table;

processing means for updating said master harvest hit table with said one or more of said identified harvest events that do not match harvest events recorded in said master harvest hit table;

processing means for comparing testcases recorded within said testcase bucket to testcases identified within said master harvest hit table; and

processing means resolving testcase inconsistencies between said testcase bucket and said master harvest hit table including:

processing means, responsive to identifying one or more testcases recorded within said master harvest hit table but not within said testcase bucket, for removing harvest event entries containing the identified one or more testcases from said master harvest hit table; and

processing means, responsive to determining that one or more testcases are recorded within said testcase bucket but not within said master harvest hit table, for removing the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket.

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Previously Presented) The system of claim 7, said processing means for removing the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket further comprising including one or more testcase identifiers corresponding to the one or more testcases recorded within said testcase bucket but not within said master harvest hit table in a redundant testcase list within said instrumentation server.

12. (Previously Presented) The system of claim 11, wherein said testcase bucket is maintained by a testcase server, said system further comprising:

processing means for delivering said redundant testcase list from said instrumentation server to said testcase server; and

processing means for removing testcase identifiers included within said redundant testcase list from said testcase bucket.

13. (Currently Amended) ~~In a batch simulation farm that facilitates computer-aided simulation testing of hardware design, wherein multiple simulation clients communicate simulation testcase results to an instrumentation server that maintains a master harvest hit table having harvest event entries that associate harvest events triggered during simulation testing with corresponding triggering testcases, a~~ A computer-readable medium having encoded thereon computer-executable instructions for resolving testcase collection inconsistencies between a testcase bucket and a master harvest hit table in a batch simulation farm that facilitates computer-aided simulation testing of hardware design, wherein said testcase bucket contains testcases that have triggered harvest events during simulation testing of a simulation model by said multiple simulation clients, said computer-executable instructions performing a method comprising:

multiple simulation clients communicating simulation testcase results to an instrumentation server that maintains a master harvest hit table having harvest event entries that associate harvest events triggered during simulation testing with corresponding triggering testcases, wherein said testcase bucket contains testcases that have triggered harvest events during simulation testing of a simulation model by said multiple simulation clients;

within one of said multiple simulation clients:

retrieving a local copy of said master harvest hit table;

executing a current testcase on the simulation model;

identifying harvest events triggered during execution of said current testcase; and

comparing said identified harvest events with harvest events recorded within the local copy of said master harvest hit table to determine whether the identified harvest events have been previously recorded in association with the simulation model;

responsive to said step of comparing said identified harvest events with the harvest events recorded within the local copy of said master harvest hit table resulting in a determination that previous occurrences of one or more of said identified harvest events have not been recorded:

recording said current testcase within said testcase bucket; and

comparing said one or more of said identified harvest events determined not to have been recorded with harvest events recorded within said master harvest hit table;

updating said master harvest hit table with said one or more of said identified harvest events that do not match harvest events recorded in said master harvest hit table;

comparing testcases recorded within said testcase bucket to testcases identified within said master harvest hit table; and

resolving testcase inconsistencies between said testcase bucket and said master harvest hit table by:

responsive to identifying one or more testcases recorded within said master harvest hit table but not within said testcase bucket, removing harvest event entries containing the identified one or more testcases from said master harvest hit table; and

responsive to determining that one or more testcases are recorded within said testcase bucket but not within said master harvest hit table, removing the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket.

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Previously Presented) The computer-readable medium of claim 13, said removing the one or more testcases recorded within said testcase bucket but not within said master harvest hit table from said testcase bucket further comprising including one or more testcase identifiers corresponding to the one or more testcases recorded within said testcase bucket but not within said master harvest hit table in a redundant testcase list within said instrumentation server.

18. (Previously Presented) The computer-readable medium of claim 17, wherein said testcase bucket is maintained by a testcase server, said method further comprising:

delivering said redundant testcase list from said instrumentation server to said testcase server; and

removing testcase identifiers included within said redundant testcase list from said testcase bucket.